

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-20. (canceled)

21. (currently amended) A material for medical or veterinary usage, ~~in particular~~ for the realization of endo-bone implants, ~~in particular~~ for dental implants, or for the realization of bone prostheses, which material is in the form of a molded piecework, made of 65% to 90% by weight of a polymer biocompatible binder and 10% to 35% by weight ~~of at least one compound for adding calcium and phosphorus~~ calcium phosphate, said material ~~comprising~~ having a surface ~~having micro-pores through which emerges the compound for adding calcium and phosphorus~~ provided with emerging crystallized calcium phosphate.

22. (currently amended) A material according to claim 21, ~~which comprises~~ wherein the calcium phosphate ~~as said compound enabling the~~ enables addition of calcium and of phosphorus, ~~which and the~~ and the calcium phosphate is derived from calcium hydroxyapatite and/or dicalcic or tricalcic phosphate.

23. (previously presented) A material according to claim 21, which comprises a binder in the form of a thermoplastic polymer.

24. (currently amended) A material according to claim 23, which comprises a binder in the form of a thermoplastic polymer ~~such as~~ or PEEK (polyetheretherketon).

25. (currently amended) A material according to claim 21, which comprises a binder in the form of a natural polymer ~~such as~~ or cellulose.

26. (currently amended) A material according to claim 21, which comprises a ~~compound of~~ zeolite or oxide type, ~~such as~~ compound selected from the group consisting of  $\text{TiO}_2$ ,  $\text{SiO}_2$ ,  $\text{Al}_2\text{O}_3$  [[or]] and  $\text{ZrO}_2$ .

27. (currently amended) A material device according to claim 21, which also comprises complementary component(s) in the form of calcium hydroxyapatite and/or dicalcic or tricalcic phosphate, and is ~~possibly~~ associated with at least one zeolite or an oxide.

28. (currently amended) A method of preparation of material for medical or veterinary usage, which material is in

the form of a molded piecework, made of a polymer biocompatible binder and at least one compound for adding calcium and phosphorus, which method comprises:

mixing homogeneously 65% to 90% by weight of [[a]] polymer biocompatible binder and 10% to 35% by weight of ~~at least one compound for adding calcium and phosphorus~~ calcium phosphate,

subjecting the mixture thus obtained to a molding operation,

performing, first, one or several surface pickling and decontamination operations on the molded piecework, and second, a sterilizing operation by autoclave, such that the surface of said molded piecework ~~has micro-pores through which emerges the compound for adding calcium and phosphorus~~ is provided with emerging calcium phosphate, and

packaging aseptically said decontaminated piecework.

29. (previously presented) A method according to claim 28, wherein the surface pickling operation is conducted in at least one bath in a solution subjected to ultrasound.

30. (previously presented) A method according to claim 28, wherein the surface pickling operation is conducted in at least one pickling product bath subjected to ultrasound.

31. (previously presented) A method according to claim 28, wherein the surface treatment is conducted by passing the molded material through different successive baths subjected to ultrasound.

32. (previously presented) A method according to claim 28, wherein the surface treatment is conducted by passing the molded material through at least an acid bath of hydrochloric acid or sulphuric acid.

33. (previously presented) A method according to claim 28, wherein the surface treatment is conducted by passing the material through at least one acetone bath.

34. (previously presented) A method according to claim 28, wherein the surface treatment is conducted by passing the material through at least one hydrogen peroxide bath.

35. (currently amended) A method according to claim 28, wherein the surface treatment is conducted by passing the material through at least ~~on sodium hypochloride~~ one sodium hypochlorite bath.

36. (previously presented) A method according to claim 28, which also comprises subjecting the molded part to a

decontamination treatment by means of baths conducting the surface pickling/decontamination treatment, associated with at least one complementary bath of decontaminating product.

37. (currently amended) A method according to claim 28, wherein the surface pickling and decontamination operations ~~consist in~~ include passing the molded part through successive baths of hydrochloric or sulphuric acid, acetone, hydrogen peroxide, sodium ~~hypochloride~~ hypochlorite and hypochlorite disinfectant product(s), subjected to ultrasound, separated by operations consisting in water rinsing or passing through water baths subjected to ultrasound.

38. (previously presented) A method according to claim 28, which also comprises subjecting the molded part to a sterilization operation by autoclave after passing through at least one solution bath subjected to ultrasound.

39. (currently amended) An application of the material according to claim 21 for the production of endo-bone implants, ~~in particular~~ or dental implants.

40. (previously presented) An application of the material according to claim 21 for the production of bone prostheses.